UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF COMMERCIAL FISHERIES

CALIFORNIA FISHERY MARKET NEWS MONTHLY SUMMARY

September 1962

Part II–Fishing Information*

Sea-surface temperatures, fishing and research information of interest to the West Coast tuna-fishing industry and marine scientists

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Eastern Pacific Ocean, September 1962 2

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* Part I - "Fishery Products Production and Market Data" is issued by the Bureau of Commercial Fisheries, Market News Service, Post Office Building, San Pedro, California

SEA SURFACE TEMPERATURE CHARTS, EASTERN PACIFIC OCEAN
SEPTEMBER 1962

Acknowledgments

The following organizations and stations contributed data for the August 1962 charts:

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U. S. Naval Communication Station Balboa, Fort Amador, Canal Zone
U. S. Navy Branch Hydrographic Office, Honolulu, Hawaii; Seattle, Washington; San Francisco and Wilmington, California
U. S. Coast Guard, Port Hueneme Light Station, Port Hueneme, California
U. S. Bureau of Commercial Fisheries, Biological Laboratories, Honolulu, Hawaii; La Jolla, California; Seattle, Washington
U. S. Bureau of Commercial Fisheries, Exploratory Fishing and Gear Research Base, Seattle, Washington
California Department of Fish and Game M/V Alaska
Fish Commission of Oregon
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Kelco Company, San Diego, California
Oregon State University by Bruce Wyatt

Pacific Oceanographic Group, Nanaimo, British Columbia,
by H. J. Hollister from observations by R. W. Collins at Quatsino Lightstation; G. J. Skinner at Cape St. James Light; B. Stuart at Amphitrite Point Light; J. M. Hartt at Langara Island Light
Scripps Institution of Oceanography, La Jolla, California
by Margaret Robinson and Hans Klein
Ships Acona, and Royal Pacific

Charts

Figure 1.--Mean sea surface temperatures (°F) derived from approximately 8000 observations. Squares show temperatures at weather-ship stations. Numerals on shore are temperatures at coastal and light stations.

Figure 2.--Deviation of sea surface temperatures (°F) from long term mean charts of H.O. 225. Hatched areas are colder than mean. Long term mean data north of 50° N. latitude not available for the month of September.

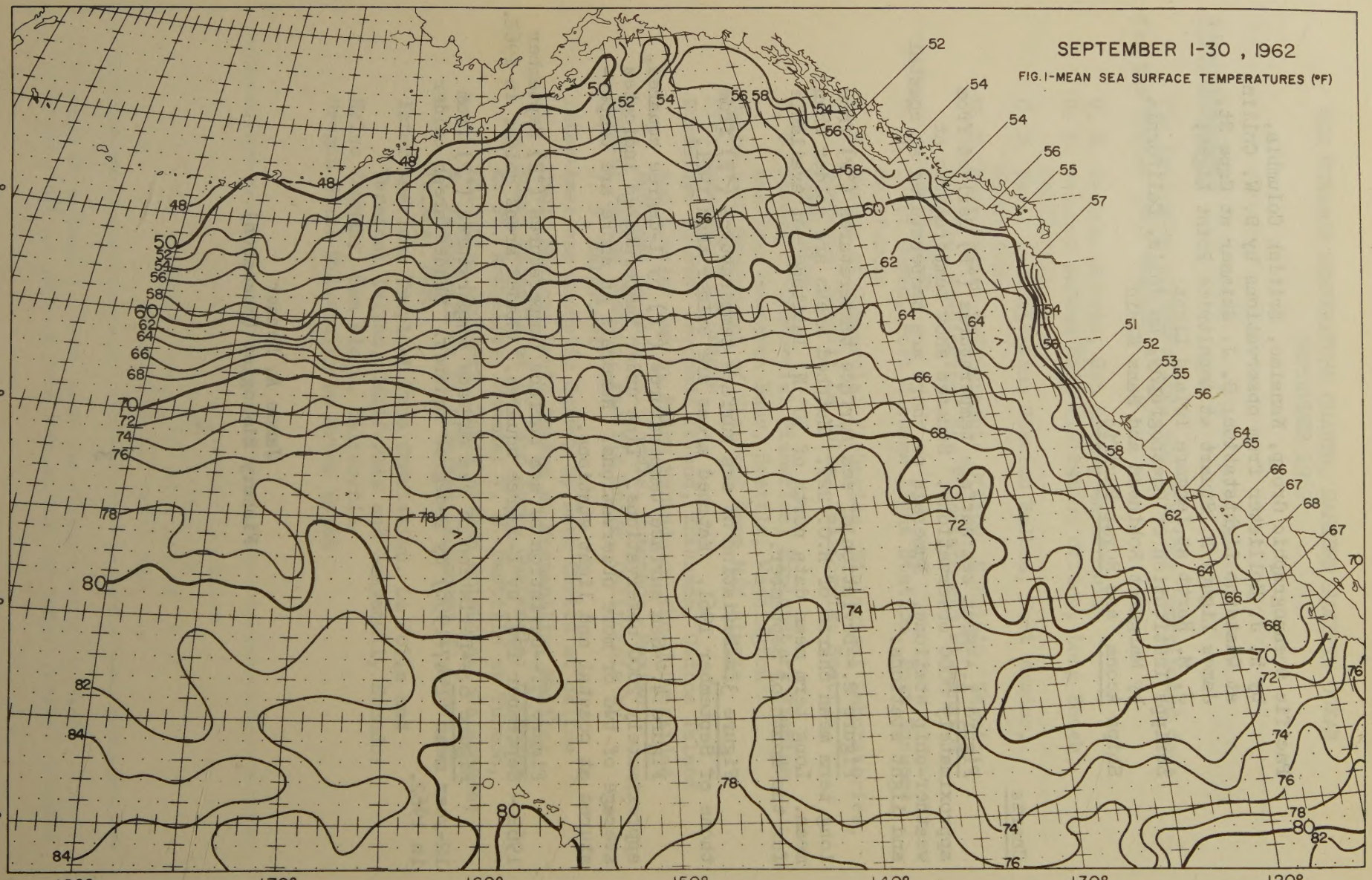
Figure 3.--Deviation of sea surface temperatures (°F) from those of September 1961. Hatched areas are colder than 1961.

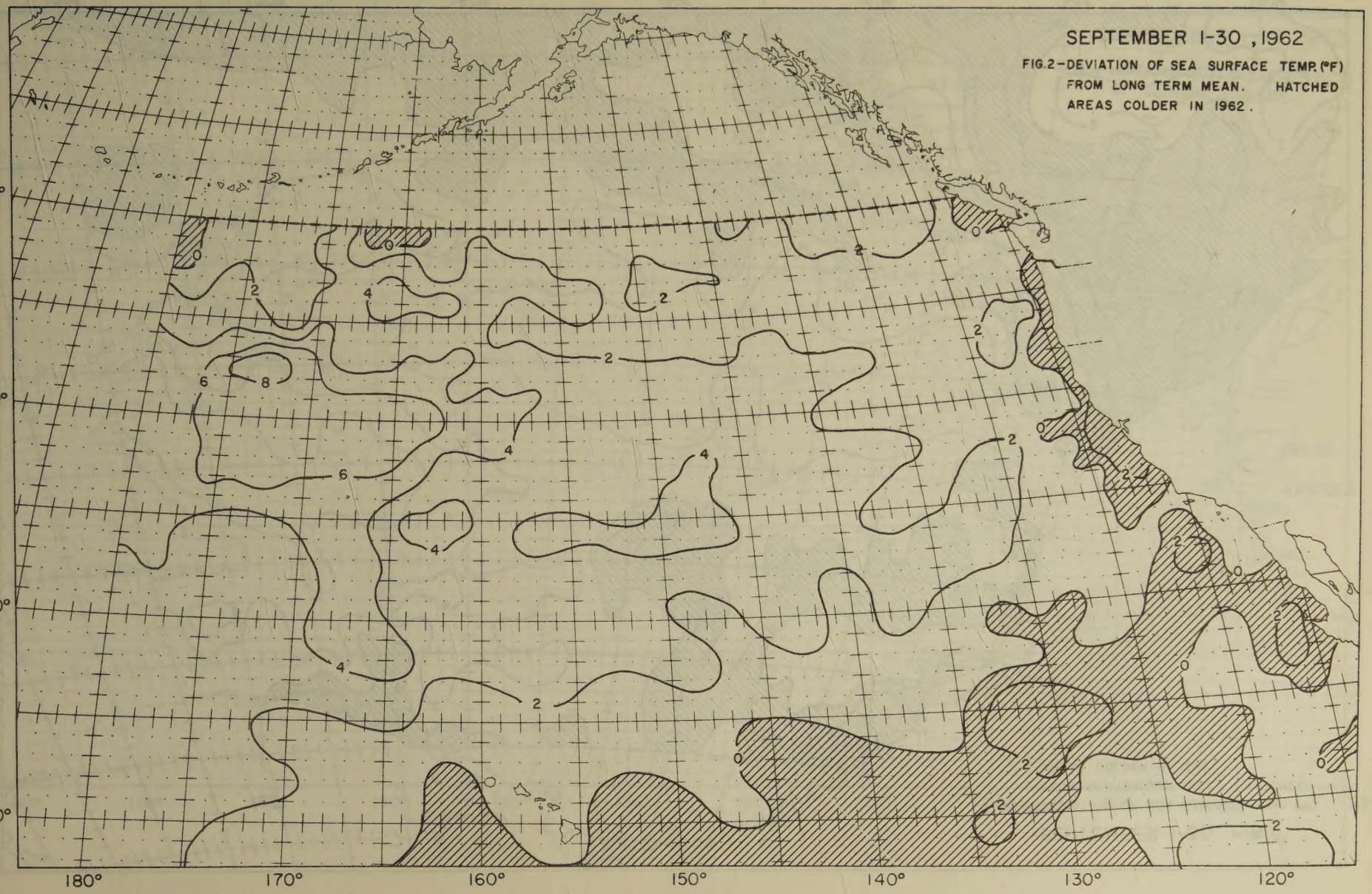
Figure 4.--Sea surface temperatures (°F) by 1-degree squares, approximately 2000 observations. Line under temperatures indicates average of two or more observations. Numerals on shore are temperatures at coastal and light stations.

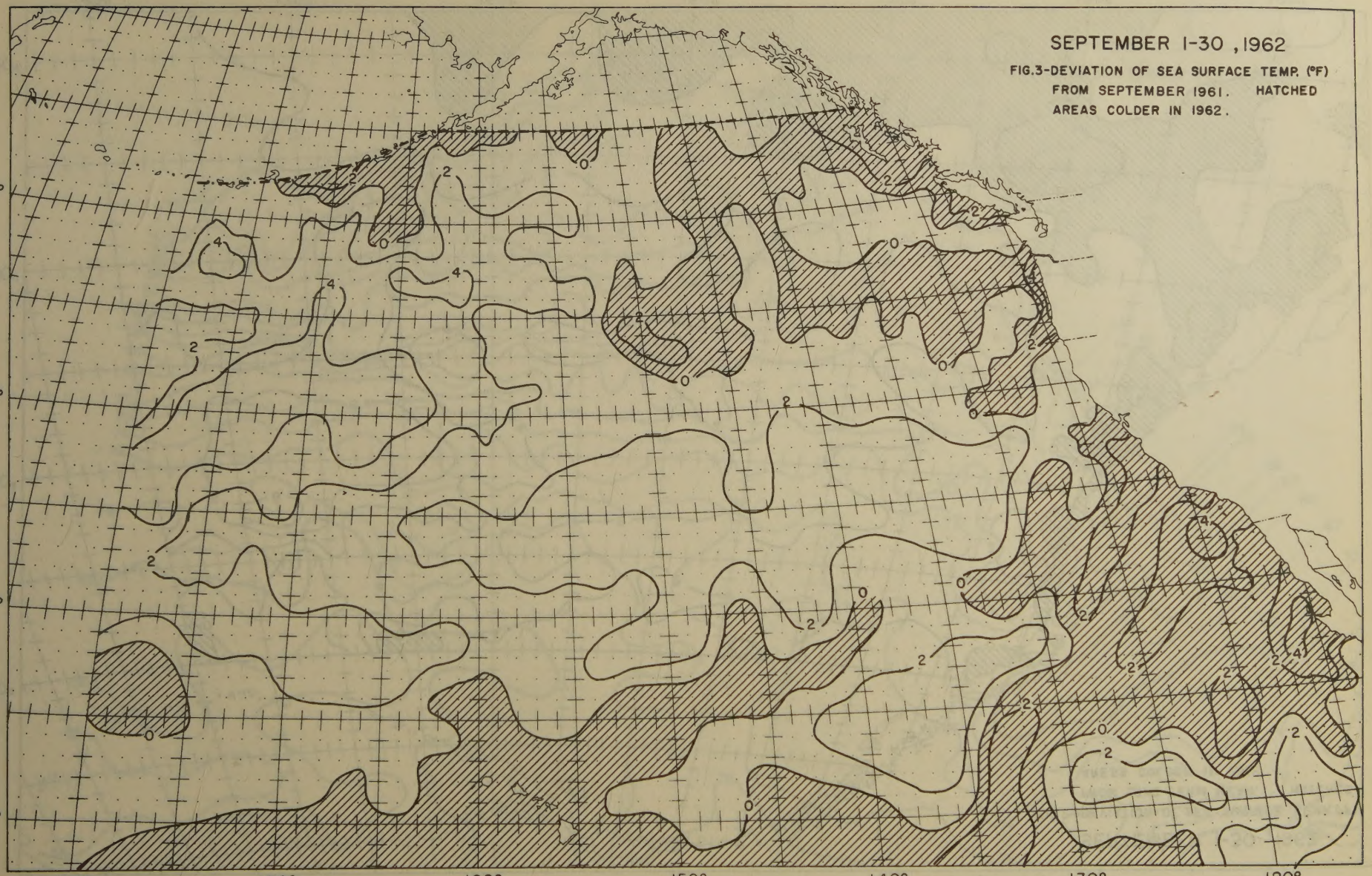
Figure 5.--Deviation of sea surface temperatures (°F) September 1962 - September 1961 by 1-degree squares. Shaded areas colder in 1962.

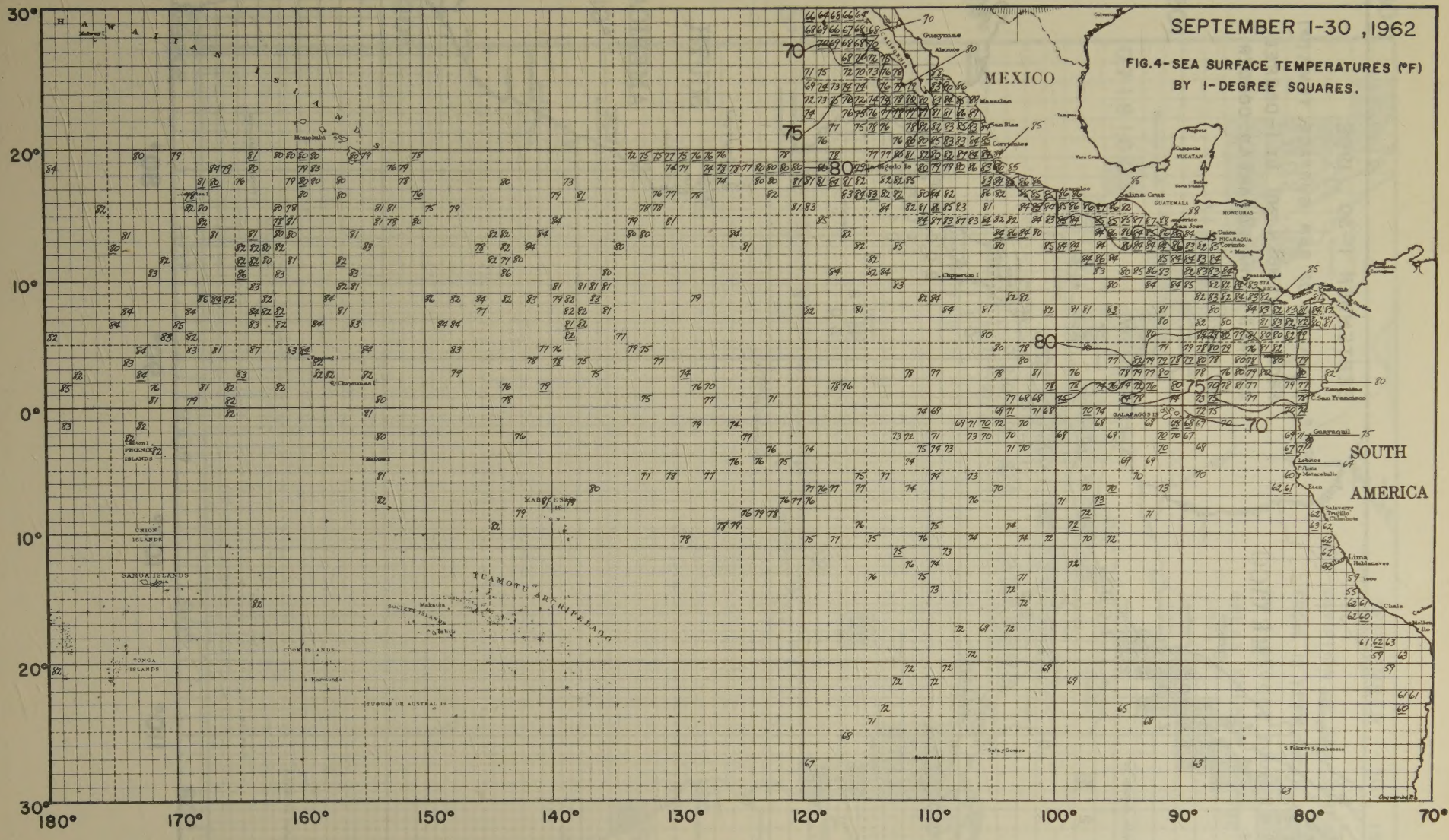
Figure 6.--Deviation of sea surface temperatures (°F) from 12-year mean (1947-1958) by 2-degree squares. Shaded areas colder in 1962.

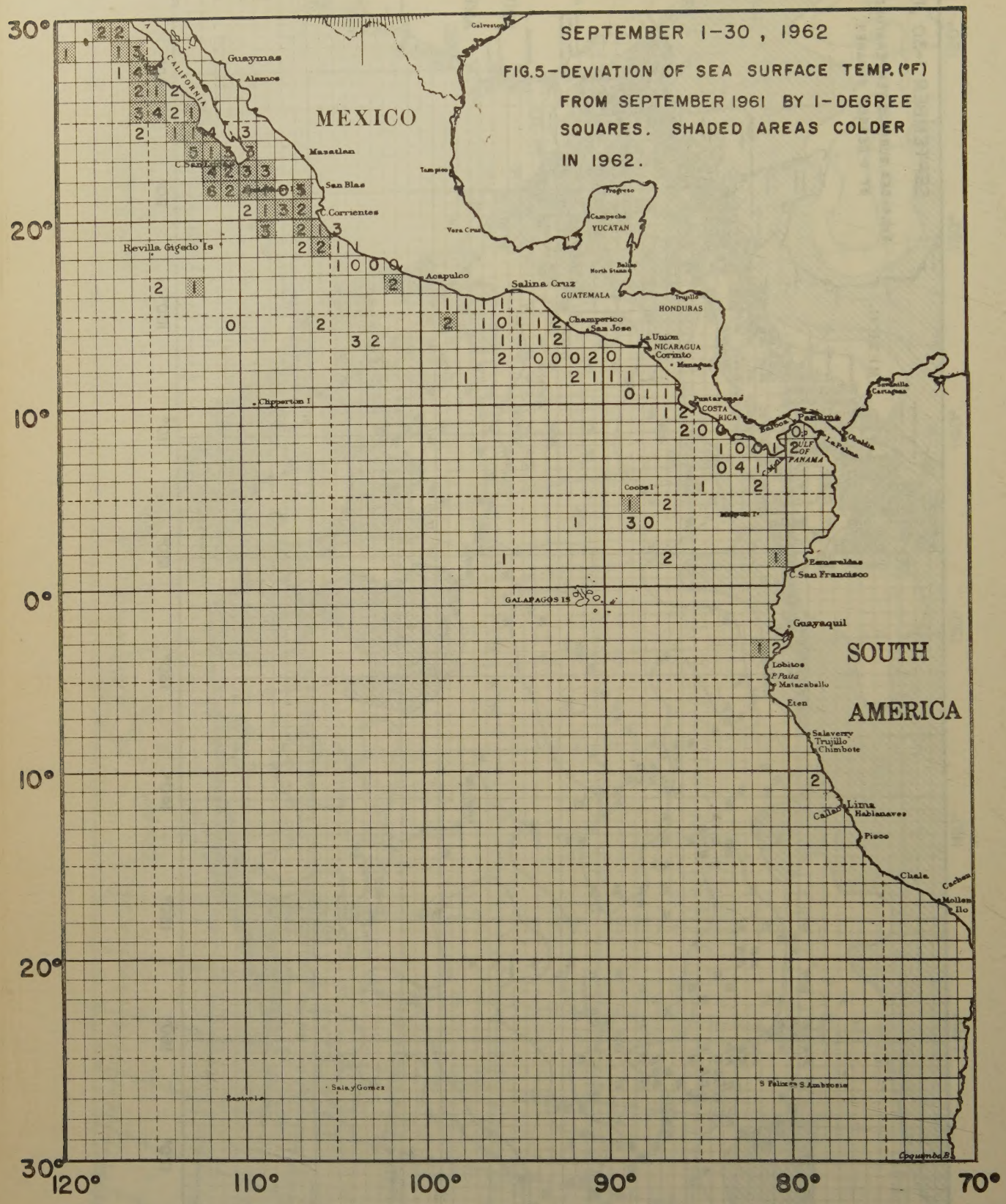
James A. Renner
Fishery Biologist (Research)

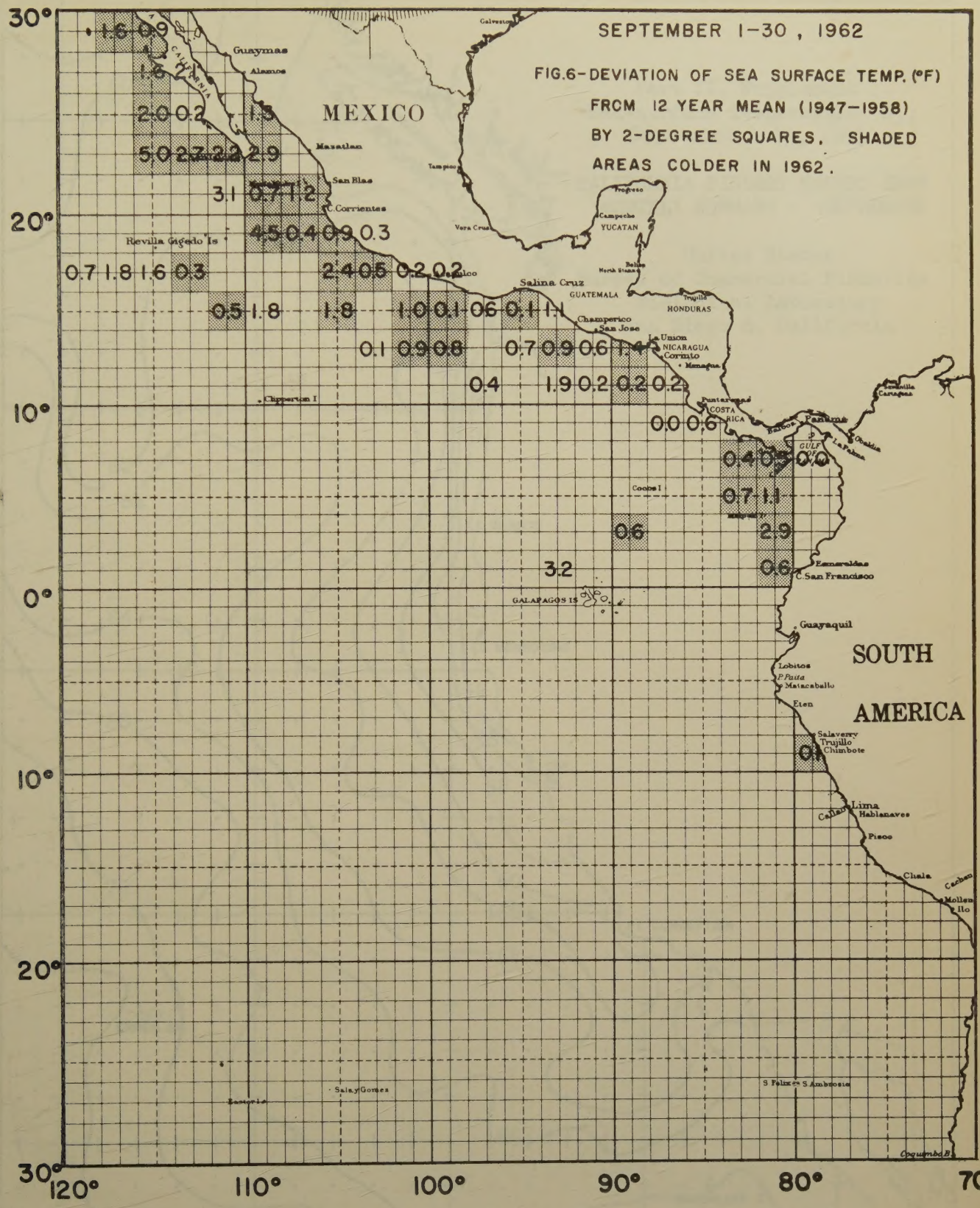

SEPTEMBER 1-30 , 1962
FIG. 1-MEAN SEA SURFACE TEMPERATURES (°F)
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°

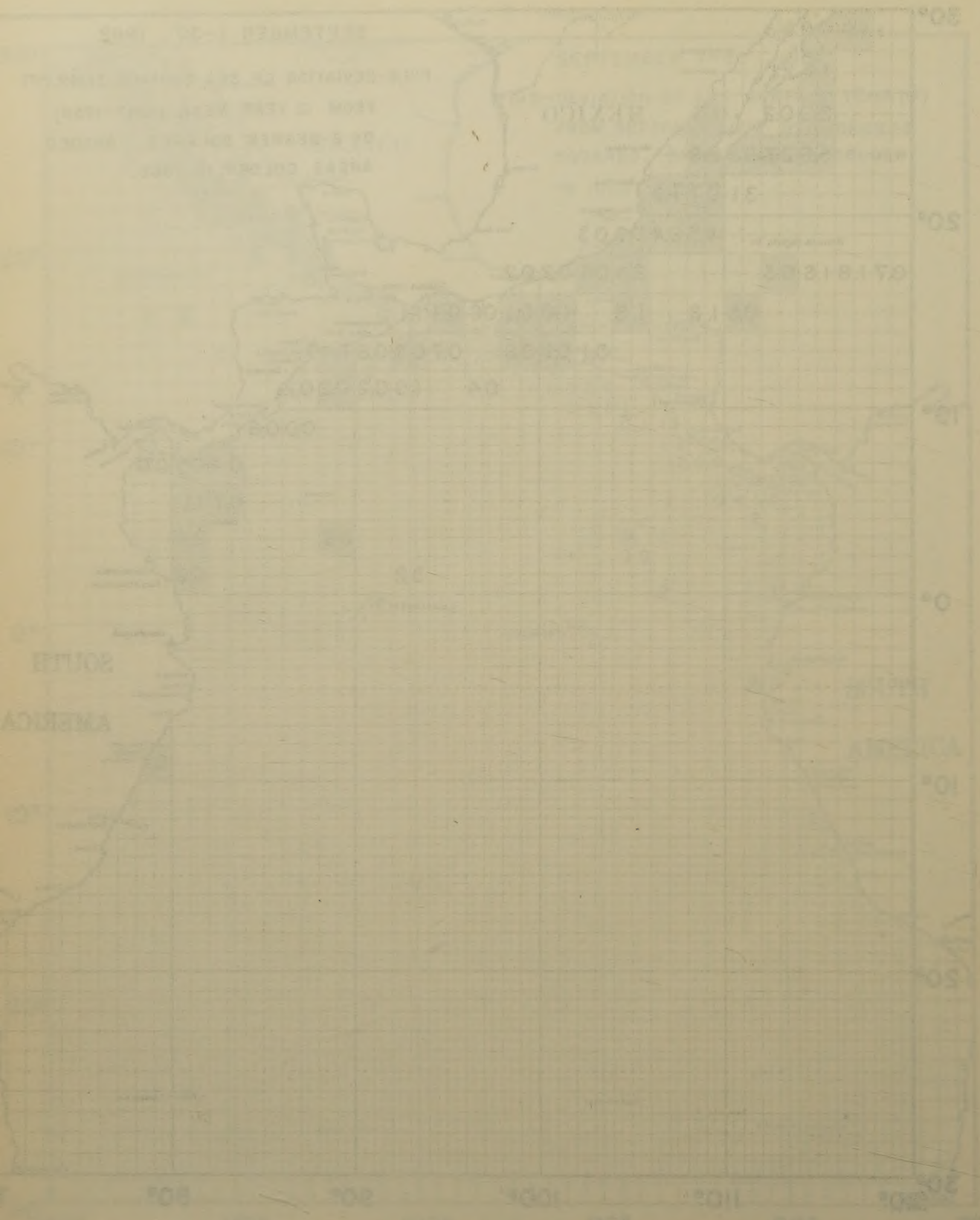

SEPTEMBER 1-30 , 1962
FIG.2-DEVIATION OF SEA SURFACE TEMP.(°F) FROM LONG TERM MEAN. HATCHED AREAS COLDER IN 1962.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°

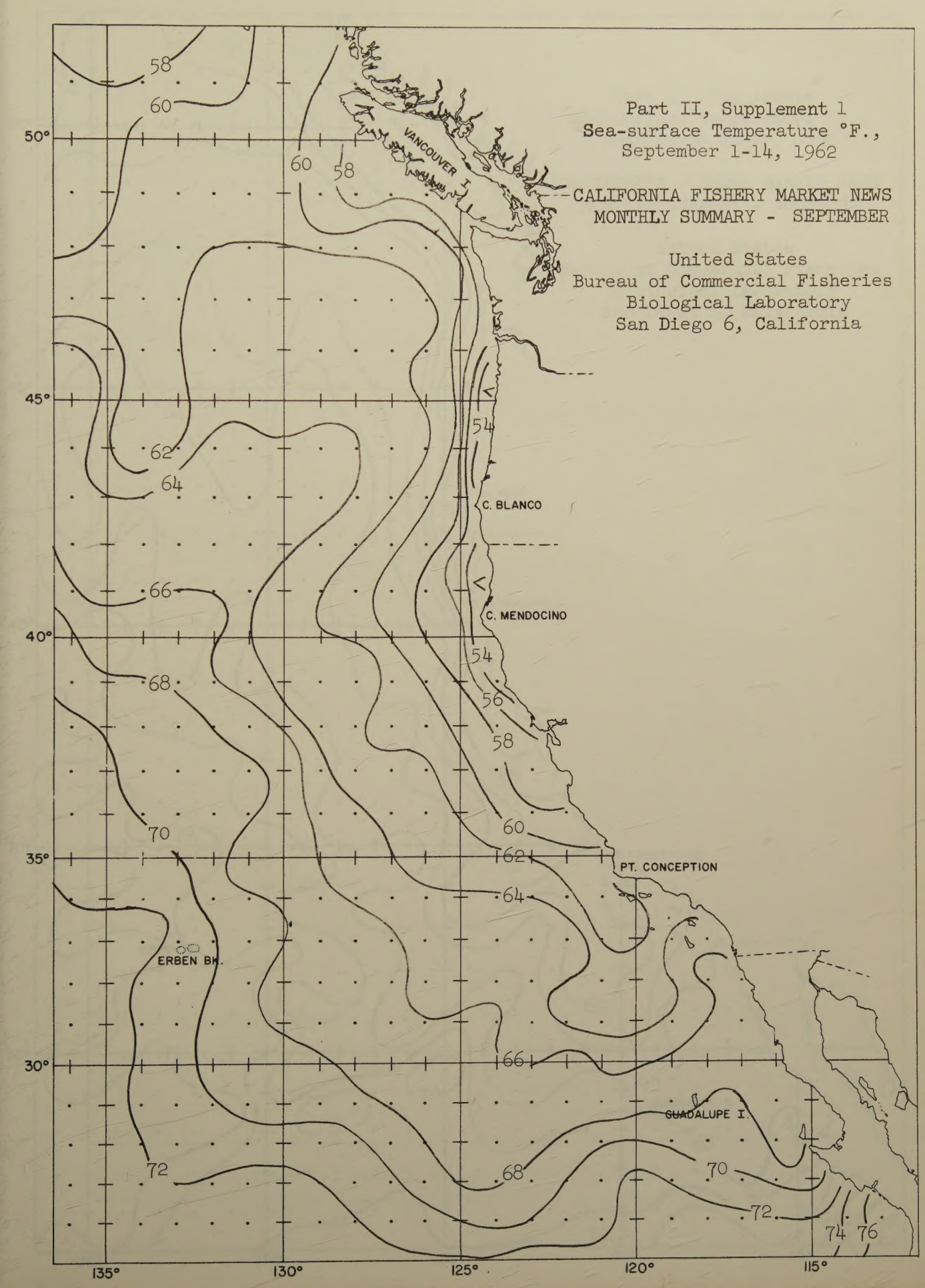

SEPTEMBER 1-30 , 1962
FIG.3-DEVIATION OF SEA SURFACE TEMP. (°F) FROM SEPTEMBER 1961. HATCHED AREAS COLDER IN 1962.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°

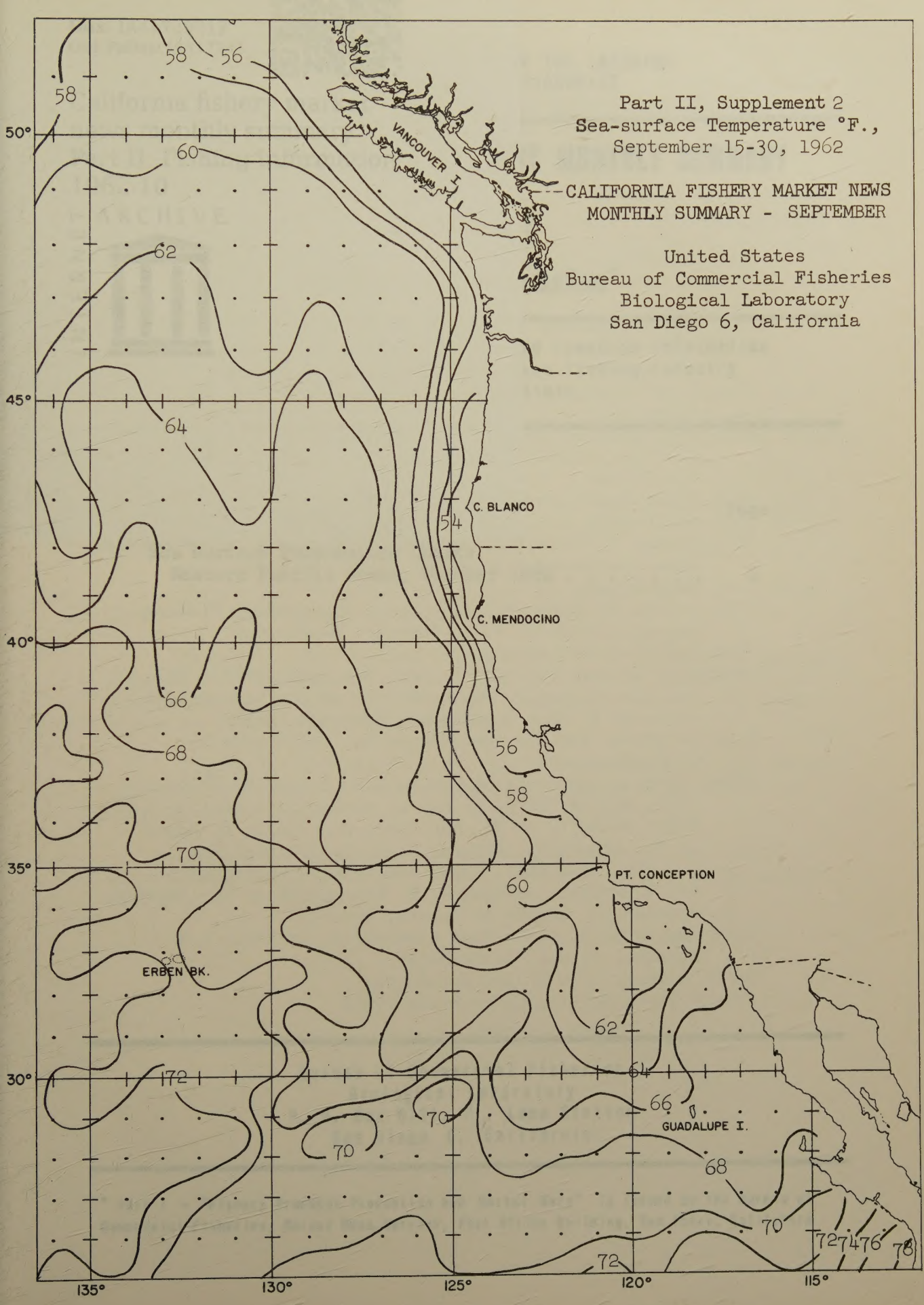

SEPTEMBER 1-30, 1962
FIG. 4 - SEA SURFACE TEMPERATURES (°F) BY 1-DEGREE SQUARES.
MEXICO
SOUTH AMERICA
HAWAIIAN ISLANDS
Honolulu
Midway I.
PHOENIX ISLANDS
Canton I.
Christmas I.
Malden I.
Starbuck I.
Fanning I.
UNION ISLANDS
SAMOA ISLANDS
Apia
TUAMOTU ARCHIPELAGO
Makatea
SOCIETY ISLANDS
Tahiti
COOK ISLANDS
Rarotonga
TONGA ISLANDS
TUBUAI IS. AUSTRAL IS.
MARQUESAS
Clipperton I.
Guaymas
Alamos
Mazatlan
San Blas
Corinthos
Salina Cruz
GUATEMALA
HONDURAS
NICARAGUA
Corinto
Managua
YUCATAN
Veracruz
Tampico
Galveston
Panama
Balboa
Cristobal
Colon
GALAPAGOS IS.
San Cristobal
San Francisco
Esmeraldas
Guayaquil
Salaverry
Trujillo
Chimbote
Lobitos
Talara
Matacaballo
Lima
Callao
Chile
Valparaiso
Talcahuano
Bahia de Coquimbo
Bahia de Gorbea
S. Felix
S. Ambrosio
Juan Fernandez Is.
Easter I.
30°
20°
10°
0°
10°
20°
30°
180°
170°
160°
150°
140°
130°
120°
110°
100°
90°
80°
70°


SEPTEMBER 1-30, 1962
FIG.5-DEVIATION OF SEA SURFACE TEMP.(°F) FROM SEPTEMBER 1961 BY 1-DEGREE SQUARES. SHADED AREAS COLDER IN 1962.
MEXICO
SOUTH AMERICA
CALIFORNIA
Guaymas
Alamos
Mazatlan
San Blas
Corrientes
Revilla Gigedo Is
Acapulco
Salina Cruz
GUATEMALA
HONDURAS
Champerico
San Jose
La Union
NICARAGUA
Corinto
Managua
COSTA RICA
Panama
GULF OF PANAMA
Chipperton I
Cocos I
GALAPAGOS IS
Esmeraldas
C San Francisco
Guayaquil
Lobitos
P Pasta
Matacaballo
Eten
Salaverry
Trujillo
Chimbote
Lima
Callao
Hablanaves
Pisco
Chala
Mollendo
Ilo
Tampico
Vera Cruz
Progreso
Campeche
YUCATAN
Belize
Trujillo
Cartagena
Sala y Gomez
S Felix
S Ambrosia
30°
20°
10°
0°
10°
20°
30°
120°
110°
100°
90°
80°
70°


SEPTEMBER 1-30, 1962
FIG.6-DEVIATION OF SEA SURFACE TEMP. (°F) FROM 12 YEAR MEAN (1947-1958) BY 2-DEGREE SQUARES. SHADED AREAS COLDER IN 1962.
MEXICO
SOUTH AMERICA
Guaymas
Alamos
Mazatlan
San Blas
C. Corrientes
Revilla Gigedo Is
Salina Cruz
GUATEMALA
HONDURAS
NICARAGUA
COSTA RICA
Champerico
San Jose
La Union
Corinto
Chipperton I
Cocos I
GALAPAGOS IS
Guayaquil
Lobitos
P. Pasta
Matacaballo
Eten
Salaverry
Trujillo
Chimbote
Lima
Callao
Huacho
Pisco
Chala
Mollendo
Arica
Iquique
Caldera
Coquimbo
Valparaiso
Talcahuano
Corral
Ancud
Puerto Montt
Chiloe I
Taitao Pen
Evangelistas
Wellington I
Tres Montes
Penas G
Taitao Pen
Tampico
Vera Cruz
Progreso
Campeche
YUCATAN
Belize
Trujillo
Puntarenas
Panama
Cristobal
Balboa
Pedro Miguel
Miraflores
Cocos I
Esmeraldas
C. San Francisco
Galveston
Salina y Gomez
Easter I
S. Felix
S. Ambrosio
30°
20°
10°
0°
10°
20°
30°
120°
110°
100°
90°
80°
70°




Part II, Supplement 1
Sea-surface Temperature °F.,
September 1-14, 1962
CALIFORNIA FISHERY MARKET NEWS
MONTHLY SUMMARY - SEPTEMBER
United States
Bureau of Commercial Fisheries
Biological Laboratory
San Diego 6, California
VANCOUVER I.
C. BLANCO
C. MENDOCINO
PT. CONCEPTION
ERBEN BK.
GUADALUPE I.
50°
45°
40°
35°
30°
135°
130°
125°
120°
115°
58
60
62
64
66
68
70
72
54
56
74
76


Part II, Supplement 2
Sea-surface Temperature °F.,
September 15-30, 1962
CALIFORNIA FISHERY MARKET NEWS
MONTHLY SUMMARY - SEPTEMBER
United States
Bureau of Commercial Fisheries
Biological Laboratory
San Diego 6, California
VANCOUVER I.
C. BLANCO
C. MENDOCINO
PT. CONCEPTION
ERBEN BK.
GUADALUPE I.
50°
45°
40°
35°
30°
135°
130°
125°
120°
115°
58
56
60
62
64
54
66
68
70
72
74
76
78